Performance Data Sheet

HGA5492EXA

General Information

Model	HGA5492EXA	**Refrigerant**	R-22
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	810			
	Watts (Power)	458			
	Amps	4.28			
-23.3	Watts (Capacity)	886	782		
	Watts (Power)	466	523		
	Amps	4.36	4.78		
-20	Watts (Capacity)	1050	930		
	Watts (Power)	481	547		
	Amps	4.49	4.99		
-15	Watts (Capacity)	1320	1190	1050	
	Watts (Power)	497	577	661	
	Amps	4.64	5.27	6.01	
-10	Watts (Capacity)	1650	1490	1310	1140
	Watts (Power)	506	598	699	810
	Amps	4.71	5.47	6.34	7.32
-6.7	Watts (Capacity)	1900	1710	1510	1320
	Watts (Power)	509	609	719	843
	Amps	4.73	5.57	6.52	7.58
-5	Watts (Capacity)	2030	1840	1630	1410
	Watts (Power)	510	613	728	858
	Amps	4.73	5.61	6.61	7.71
0	Watts (Capacity)	2480	2240	1990	1730
	Watts (Power)	509	620	749	896
	Amps	4.67	5.68	6.80	8.03

5	Watts (Capacity)	2980	2710	2410	2100
	Watts (Power)	503	622	762	925
	Amps	4.54	5.68	6.93	8.29
7.2	Watts (Capacity)	3230	2930	2610	2280
	Watts (Power)	500	621	766	935
	Amps	4.47	5.66	6.97	8.38
10	Watts (Capacity)	3560	3240	2890	2520
	Watts (Power)	494	619	769	946
	Amps	4.35	5.62	7.00	8.48
15	Watts (Capacity)	4210	3840	3430	3010
	Watts (Power)	482	611	770	959
	Amps	4.09	5.49	6.99	8.60

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.987240E+03	2.585150E+02	2.278600E+00	
C2	1.117590E+02	-4.093680E-01	-9.442220E-02	
C3	-1.024160E+01	6.530870E+00	6.344080E-02	
C4	1.562920E+00	1.074410E-02	-1.354380E-03	
C5	-4.195410E-01	-1.368440E-01	2.542730E-03	
C6	-2.744280E-01	5.213120E-02	5.412520E-04	
C7	6.983290E-03	9.327710E-04	0.000000E+00	
C8	-9.031550E-03	-3.192000E-03	0.000000E+00	
C9	-5.104630E-03	4.262810E-03	0.000000E+00	
C10	1.601010E-03	2.687020E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

HGA5492EXA

General Information

Model	HGA5492EXA	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	3360	3180					
	Watts	430	472					
	Amps	3.97	4.42					
	Lb/h	43.4	42.8					
-10	Btu/h	3700	3500	3320				
	Watts	439	483	525				
	Amps	4.06	4.51	4.91				
	Lb/h	47.5	46.8	46.3				
-5	Btu/h	4100	3890	3690	3490			
	Watts	448	494	538	580			
	Amps	4.14	4.60	5.02	5.40			
	Lb/h	52.3	51.5	50.9	50.5			
0	Btu/h	4580	4330	4110	3890	3670		
	Watts	457	504	551	596	641		
	Amps	4.21	4.68	5.12	5.53	5.92		
	Lb/h	57.9	57.0	56.3	55.7	55.0		
5	Btu/h	5120	4850	4600	4350	4100		
	Watts	464	513	562	612	661		
	Amps	4.28	4.76	5.22	5.65	6.07		
	Lb/h	64.3	63.3	62.5	61.8	60.9		
10	Btu/h	5730	5430	5150	4870	4590	4280	3950
	Watts	470	521	573	626	680	734	790
	Amps	4.34	4.83	5.31	5.77	6.22	6.68	7.13
	Lb/h	71.6	70.4	69.5	68.6	67.6	66.2	64.3
15	Btu/h	6420	6080	5770	5450	5130	4790	4420
	Watts	474	527	582	639	697	757	818
	Amps	4.38	4.89	5.39	5.88	6.37	6.86	7.37
	Lb/h	79.7	78.4	77.3	76.3	75.1	73.5	71.4
20	Btu/h	7180	6810	6450	6100	5740	5370	4950
	Watts	476	532	590	651	713	778	846
	Amps	4.41	4.94	5.46	5.98	6.50	7.04	7.60
	Lb/h	88.6	87.2	85.9	84.8	83.4	81.6	79.3

25	Btu/h	8020	7610	7210	6820	6420	6000	5540
	Watts	477	535	596	660	728	798	872
	Amps	4.42	4.96	5.51	6.06	6.63	7.21	7.81
	Lb/h	98.4	96.8	95.4	94.1	92.5	90.6	88.1
30	Btu/h	8950	8490	8040	7610	7160	6690	6190
	Watts	475	535	600	668	740	816	896
	Amps	4.41	4.97	5.55	6.13	6.73	7.36	8.02
	Lb/h	109	107	106	104	102	100	97.6
35	Btu/h	9950	9440	8950	8470	7970	7450	6900
	Watts	470	533	601	674	751	832	919
	Amps	4.37	4.96	5.56	6.18	6.82	7.50	8.21
	Lb/h	121	119	117	115	113	111	108
40	Btu/h	11000	10500	9940	9400	8850	8280	7670
	Watts	463	529	600	677	759	846	939
	Amps	4.31	4.92	5.55	6.21	6.90	7.62	8.39
	Lb/h	133	131	129	127	125	122	119
45	Btu/h	12200	11600	11000	10400	9800	9170	8500
	Watts	452	521	596	677	764	857	957
	Amps	4.22	4.86	5.52	6.21	6.94	7.72	8.55
	Lb/h	146	144	142	140	138	135	131
50	Btu/h	13500	12800	12200	11500	10800	10100	9410
	Watts	439	510	588	674	766	865	971
	Amps	4.10	4.76	5.45	6.19	6.97	7.80	8.68
	Lb/h	161	158	156	154	151	148	144
55	Btu/h	14900	14100	13400	12700	11900	11200	10400
	Watts	421	495	578	667	765	870	983
	Amps	3.94	4.63	5.36	6.13	6.96	7.84	8.79
	Lb/h	176	173	171	168	165	162	158

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.698457E+03	4.671431E+01	-1.495900E+00	9.950208E+01
C2	1.388859E+02	4.058629E+00	4.392064E-02	1.316594E+00
C3	-9.094357E+01	5.487617E+00	1.003292E-01	-1.143823E+00
C4	1.980628E+00	-3.727290E-02	-4.066148E-04	1.766271E-02
C5	-4.442677E-01	-9.298644E-02	-8.987167E-04	-6.884232E-04
C6	6.607917E-01	-4.835786E-03	-4.444985E-04	1.051956E-02
C7	2.928137E-03	-3.459005E-04	-3.516030E-06	1.825493E-05
C8	-7.286326E-03	2.058404E-04	3.123402E-06	-1.895078E-05
C9	-3.471297E-04	7.695780E-04	6.616674E-06	-9.017547E-06
C10	-2.102665E-03	3.413222E-06	1.026747E-06	-3.398223E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

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HGA5492EXA

General Information

Model	HGA5492EXA	**Refrigerant**	R-22
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	605			
	Watts (Power)	359			
	Amps	4.98			
-23.3	Watts (Capacity)	666	588		
	Watts (Power)	368	419		
	Amps	5.05	5.33		
-20	Watts (Capacity)	797	710		
	Watts (Power)	381	444		
	Amps	5.16	5.53		
-15	Watts (Capacity)	1030	922	810	
	Watts (Power)	395	471	543	
	Amps	5.29	5.78	6.40	
-10	Watts (Capacity)	1300	1170	1030	889
	Watts (Power)	401	489	578	671
	Amps	5.36	5.97	6.71	7.59
-6.7	Watts (Capacity)	1510	1360	1200	1030
	Watts (Power)	402	496	595	701
	Amps	5.37	6.06	6.88	7.84
-5	Watts (Capacity)	1620	1460	1290	1120
	Watts (Power)	402	498	602	715
	Amps	5.37	6.10	6.96	7.95
0	Watts (Capacity)	1990	1800	1590	1380
	Watts (Power)	400	502	618	748
	Amps	5.31	6.16	7.15	8.26

5	Watts (Capacity)	2420	2190	1940	1670
	Watts (Power)	397	502	627	772
	Amps	5.19	6.16	7.27	8.51
7.2	Watts (Capacity)	2630	2370	2100	1820
	Watts (Power)	396	502	629	780
	Amps	5.12	6.15	7.31	8.60
10	Watts (Capacity)	2910	2630	2330	2020
	Watts (Power)	395	501	632	789
	Amps	5.01	6.11	7.33	8.69
15	Watts (Capacity)	3460	3130	2780	2410
	Watts (Power)	397	500	634	800
	Amps	4.77	5.99	7.34	8.82

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.457760E+03	1.644340E+02	3.551970E+00	
C2	1.004590E+02	3.799070E+00	-9.009360E-02	
C3	-1.183180E+01	6.221630E+00	3.864360E-02	
C4	1.474730E+00	1.508370E-01	-1.228570E-03	
C5	-6.316550E-01	-3.216790E-01	2.424740E-03	
C6	-1.423580E-01	4.953760E-02	6.644310E-04	
C7	6.231800E-03	2.803650E-03	0.000000E+00	
C8	-1.152700E-02	-5.630370E-03	0.000000E+00	
C9	-1.872380E-03	5.867560E-03	0.000000E+00	
C10	6.486840E-04	1.489870E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature